



# Native Sarcosine Oxidase (DAG-WT1312)

This product is for research use only and is not intended for diagnostic use.

## PRODUCT INFORMATION

Product Overview	One unit is defined as the amount of enzyme which oxidizes 1 $\mu$ mole of sarcosine to glycine per minute at 37°C under the conditions specified in the assay procedure.
Conjugate	N/A
Applications	Enzymatic determination
Molecular Weight	40 kDa
Format	Lyophilized
Size	1 KU
Buffer	Enzyme dilution buffer
Storage	Store at -20°C

## BACKGROUND

Introduction	Sarcosine oxidase is an enzyme (EC 1.5.3.1) that catalyzes the oxidative demethylation of sarcosine to yield glycine, H <sub>2</sub> O <sub>2</sub> , 5,10-CH <sub>2</sub> -tetrahydrofolate in a reaction requiring H <sub>4</sub> -tetrahydrofolate and oxygen. Corynebacterial sarcosine oxidase is a heterotetramer and is produced as an inducible enzyme when Corynebacterium sp.is grown with sarcosine as source of carbon and energy.
Keywords	Sarcosine Oxidase; SOX